

2018 年发表的研究论文

序号	通讯作者	论文题目	刊物名称/卷期页	影响因子
1	杨淑华	Molecular regulation of CBF signaling in cold acclimation	<i>Trends Plant Sci</i> 2018, 23:623-637	13.181
2	李继刚	Hinge region of Arabidopsis phyA plays an important role in regulating phyA function	<i>Proc Natl Acad Sci USA</i> 2018, 115,50: e11864	10.359
3	杨淑华	EGR2 phosphatase regulates OST1 kinase activity and freezing tolerance in Arabidopsis	<i>EMBO J</i> 暂无卷期页 2018, 37:10.15252/embj.201899819	10.345
4	杨淑华	OST1-mediated BTF3L phosphorylation positively regulates CBFs during plant cold responses	<i>EMBO J</i> 2018, 37: e98228	10.345
5	张舒群	Active photosynthetic inhibition mediated by MPK3/MPK6 is critical to effector-triggered immunity	<i>PLoS Biol</i> 2018, 16(5), e2004122	9.527
6	巩志忠	EAR1 negatively regulates ABA signaling by enhancing 2C protein phosphatase activity	<i>Plant Cell</i> 2018, 30:815-834	9.378
7	李继刚	TANDEM ZINC-FINGER/PLUS3 is a key component of phytochrome A signaling	<i>Plant Cell</i> 2018, 30:835-852	9.378
8	陈益芳	The ubiquitin E3 ligase PRU1 regulates WRKY6 degradation to modulate phosphate homeostasis in response to low-Pi stress in Arabidopsis	<i>Plant Cell</i> 2018, 30:1062-1076	9.378
9	杨小红 田丰	Genome-wide association analyses reveal the importance of alternative splicing in diversifying gene function and regulating phenotypic variation in maize	<i>Plant Cell</i> 2018, 30:1404-1423	9.378

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10	刘建祥	Two B-box domain proteins, BBX18 and BBX23, interact with ELF3 and regulate thermomorphogenesis in Arabidopsis	<i>Cell Rep</i> 2018, 25:1718-1728	8.7
11	施怡婷	The antagonistic action of abscisic acid and cytokinin signaling mediates drought stress response in Arabidopsis	<i>Mol Plant</i> 2018, 11:970-982	8.065
12	徐明良	The auxin-regulated protein ZmAuxRP1 coordinates the balance between root growth and stalk-rot disease resistance in maize	<i>Mol Plant</i> 暂无卷期页 https://doi.org/10.1016/j.molp.2018.10.005	8.065
13	Jörg Kudla	Fine-tuning of RBOHF activity is achieved by differential phosphorylation and Ca ²⁺ binding	<i>New Phytol</i> 暂无卷期页 2018, doi:10.1111/nph.15543	7.833
14	郭岩	Elucidating the molecular mechanisms mediating plant salt-stress responses	<i>New Phytol</i> 2018, 217:523-539	7.833
15	蒋才富	A retrotransposon in an HKT1 family sodium transporter causes variation of leaf Na ⁺ exclusion and salt tolerance in maize	<i>New Phytol</i> 2018, 217:1161-1176	7.833
16	刘建祥	The beta5 subunit is essential for intact 26S proteasome assembly to specifically promote plant autotrophic growth under salt stress	<i>New Phytol</i> 暂无卷期页 2018, doi: 10.1111/nph.15471	7.833
17	刘建祥	Chromatin remodeling factor CHR18 interacts with replication protein RPA1A to regulate the DNA replication stress response in Arabidopsis	<i>New Phytol</i> 2018, 220:476-487	7.833
18	毛传澡	Rice SPX6 negatively regulates the phosphate starvation response through suppression of the transcription factor PHR2	<i>New Phytol</i> 2018, 219:135-148	7.833

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19	王向锋	BES1 hinders ABSCISIC ACID INSENSITIVE5 and promotes seed germination in Arabidopsis	<i>New Phytol</i> 2019, 221:908-918	7.833
20	郑绍建	Transcription factor WRKY22 promotes aluminum tolerance via activation of OsFRDL4 expression and enhancement of citrate secretion in rice (<i>Oryza sativa</i>)	<i>New Phytol</i> 2018, 219:149-162	7.833
21	蒋才富	A domestication-associated reduction in K ⁺ -preferring HKT transporter activity underlies maize shoot K ⁺ accumulation and salt tolerance	<i>New Phytol</i> 暂无卷期页 doi: 10.1111/nph.15605	7.833
22	李继刚	ABRE-BINDING FACTORS play a role in the feedback regulation of ABA signaling by mediating rapid ABA induction of ABA co-receptor genes	<i>New Phytol</i> 2019, 1:341-355	7.833
23	张舒群	Conveying endogenous and exogenous signals: MAPK cascades in plant growth and defense	<i>Curr Opin Plant Biol</i> 2018, 45:1-10	7.313
24	王毅	The fungal pathogen <i>Magnaporthe oryzae</i> suppresses innate immunity by modulating a host potassium channel	<i>PLoS Pathog</i> 2018, 14:e1006878	6.957
25	毛同林	Coordinated regulation of hypocotyl cell elongation by light and ethylene through a microtubule destabilizing protein	<i>Plant Physiol</i> 2018, 176:678-690	6.62
26	毛同林	Ethylene signaling modulates cortical microtubule reassembly in response to salt stress	<i>Plant Physiol</i> 2018, 176:2071-2081	6.62
27	巩志忠	METHIONINE ADENOSYLTRANSFERASE4 mediates DNA and histone methylation	<i>Plant Physiol</i> 2018, 177:652-670	6.62

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28	郭岩	VAMP711 is required for abscisic acid-mediated inhibition of plasma membrane H ⁺ -ATPase activity	<i>Plant Physiol</i> 2018, 178:1332-1343	6.62
29	毛传藻	Molecular mechanisms of phosphate transport and signaling in higher plants	<i>Semin Cell Dev Biol</i> 2018, 74:114-122	6.273
30	齐艳华	The auxin influx carrier, OsAUX3, regulates rice root development and responses to aluminium stress	<i>Plant Cell Environ</i> 暂无卷期页 2018, doi: 10.1111/pce.13478	6.151
31	杨建立	Two citrate transporters coordinately regulate citrate secretion from rice bean root tip under aluminum stress	<i>Plant Cell Environ</i> 2018, 41:809-822	6.151
32	叶德 陈立群	The Arabidopsis CrRLK1L protein kinases BUPS1 and BUPS2 are required for normal growth of pollen tubes in the pistil	<i>Plant J</i> 2018, 95:474-486	6.101
33	孙传清	Variation in the regulatory region of FZP causes increases in secondary inflorescence branching and grain yield in rice domestication	<i>Plant J</i> 2018, 96:716-733	6.101
34	任东涛	The RAF-like mitogen-activated protein kinase kinase kinases RAF22 and RAF28 are required for the regulation of embryogenesis in Arabidopsis	<i>Plant J</i> 2018, 96:734-747	6.101
35	陈立群	Characterization of LRL5 as a key regulator of root hair growth in maize	<i>Plant J</i> 暂无卷期页 2018, doi:10.1111/tpj.14200	6.101
36	陈艳梅	Rapid and reproducible phosphopeptide enrichment by tandem MOAC: application to boron deficiency induced phosphoproteomics	<i>Plant J</i> 暂无卷期页 2018, doi:10.1111/tpj.14215	6.101

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37	毛传澡	LARGE ROOT ANGLE1, encoding OsPIN2, is involved in root system architecture in rice	<i>J Exp Bot</i> 2018, 69:385-397	6.044
38	任东涛	Arabidopsis MKK10-MPK6 mediates red-light-regulated opening of seedling cotyledons through phosphorylation of PIF3	<i>J Exp Bot</i> 2018, 3:423-439	6.044
39	金崇伟	Sulfide alleviates cadmium toxicity in Arabidopsis plants by altering the chemical form and the subcellular distribution of cadmium	<i>Sci Total Environ</i> 2018, 627:663-670	4.984
40	李溱	Mass spectrometry-based metabolomics and chemometric analysis of Pu-erh teas of various origins	<i>Food Chem</i> 2018, 268:271-278	4.879
41	田晓莉	RhizoChamber-Monitor: a robotic platform and software enabling characterization of root growth	<i>Plant Methods</i> 2018, 14:44	4.502
42	金崇伟	Auxin acts downstream of ethylene and nitric oxide to regulate magnesium-deficiency-induced root hair development in <i>Arabidopsis thaliana</i>	<i>Plant Cell Physiol</i> 2018, 59:1452-1465	4.454
43	杨小红	Cellulose synthase-like D1 controls organ size in maize	<i>BMC Plant Biology</i> 2018, 18:239	4.381
44	寿惠霞	Roles of soybean plasma membrane intrinsic protein GmPIP2;9 in drought tolerance and seed development	<i>Front Plant Sci</i> 2018, 9:530	4.353
45	杨永青	Activation of ROP6 GTPase by Phosphatidylglycerol in Arabidopsis	<i>Front Plant Sci</i> 2018, 9:347	4.353
46	苏震	Co-expression gene network analysis and functional module identification in Bamboo growth and development	<i>Front Genet</i> 2018, 9:574	4.151 (2017)

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47	苏震	PlantEAR: functional analysis platform for plant EAR motif-containing proteins	<i>Front Genet</i> 2018, 9:590	4.151 (2017)
48	陈其军	Potential high-frequency off-target mutagenesis induced by CRISPR/Cas9 in Arabidopsis and its prevention	<i>Plant Mol Biol</i> 2018, 96:445-456	4.013
49	段留生	Lignosulfonate improves photostability and bioactivity of abscisic acid under ultraviolet radiation	<i>J Agric Food Chem</i> 2018, 66:6585-6593	3.791
50	杨建立	A half-type ABC transporter FeSTAR1 regulates Al resistance possibly via UDP-glucose-based hemicellulose metabolism and Al binding.	<i>Plant Soil</i> 2018, 432:303-314	3.77
51	苏震	MCENet: A database for maize conditional co-expression network and network characterization collaborated with multi-dimensional omics levels	<i>J Genet Genomics</i> 2018, 45:351-360	3.652
52	傅纓	Rab-H1b is essential for trafficking of cellulose synthase and for hypocotyl growth in <i>Arabidopsis thaliana</i> .	<i>J Integr Plant Biol</i> 2018,11:1051-1069	3.483
53	郭岩	Unraveling salt stress signaling in plants	<i>J Integr Plant Biol</i> 2018, 60:796-804	3.483
54	寿惠霞	Two soybean bHLH factors regulate response to iron deficiency	<i>J Integr Plant Biol</i> 2018, 60 :608-622	3.483
55	杨淑华	Insights into the regulation of C-repeat binding factors in plant cold signaling	<i>J Integr Plant Biol</i> 2018, 60:780-795	3.483
56	张学琴	<i>Arabidopsis thaliana</i> NOP10 is required for gametophyte formation	<i>J Integr Plant Biol</i> 2018, 60:723-736	3.483

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57	段留生	Analysis of the genetic basis of plant height-related traits in response to ethylene by QTL mapping in MAIZE (<i>Zea mays</i> L.)	<i>PLoS One</i> 2018,13:e193072	3.352
58	段留生	Coronatine enhances drought tolerance in winter wheat by maintaining high photosynthetic performance	<i>J Plant Physiol</i> 2018, 228:59-65	3.034

累计 SCI 五年影响因子 376，平均影响因子 6.5/篇。